WEST Search History

DATE: Friday, June 20, 2003

Set Name Side by side Query

Hit Count Set Name

result set

DB=USPT,PGPB,JPAB,EPAB,DWPI; PLUR=YES; OP=ADJ

L1 cao-linqiu\$.in. or elzinga-jeoffrey\$.in.

3 L1

END OF SEARCH HISTORY

WEST

Generate Collection

Print

Search Results - Record(s) 1 through 3 of 3 returned.

☐ 1. Document ID: WO 2061067 A1 L1: Entry 1 of 3 File: EPAB Aug 8, 2002 PUB-NO: WO002061067A1 DOCUMENT-IDENTIFIER: WO 2061067 A1 TITLE: A METHOD OF PREPARING CROSS-LINKED ENZYME AGGREGATES PUBN-DATE: August 8, 2002 INVENTOR-INFORMATION: NAME COUNTRY LOPEZ, SERRANO PALOMA NLCAO, LINQIU NL. VAN, RANTWIJK FREDERIK NLSHELDON, ROGER ARTHUR INT-CL (IPC): C12 N 9/96; C12 N 9/20 EUR-CL (EPC): $\overline{\text{C12}}\overline{\text{N009}}/\overline{96}$; $\overline{\text{C12}}\overline{\text{N009}}/\overline{20}$, $\overline{\text{C12}}\overline{\text{N011}}/\overline{02}$, $\overline{\text{C12}}\overline{\text{P007}}/\overline{00}$ Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw Desc Image ☐ 2. Document ID: EP 1088887 A1 L1: Entry 2 of 3 File: EPAB Apr 4, 2001 PUB-NO: EP001088887A1 DOCUMENT-IDENTIFIER: EP 1088887 A1 TITLE: Crosslinked enzyme aggregates PUBN-DATE: April 4, 2001 INVENTOR-INFORMATION: NAME COUNTRY CAO, LINQIU NLLANGEN, LUKAS MICHAEL NLJANSSEN, MICHIEL HUBERTUS ARNOL NLSHELDON, ROGER ARTHUR NLINT-CL (IPC): C12 N 9/96; C12 N 9/84 EUR-CL (EPC): C12N009/84; C12N009/96

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims MMC Draw Desc Image

[] 3. Document ID: DE 19753789 A1

L1: Entry 3 of 3

File: EPAB

Jun 17, 1999

PUB-NO: DE019753789A1

DOCUMENT-IDENTIFIER: DE 19753789 A1

TITLE: Enzyme-catalysed esterification of polyol compounds to give e.g. emulsifiers

for pharmaceuticals or foods

PUBN-DATE: June 17, 1999

INVENTOR-INFORMATION:

NAME	COUNTRY
OTTO, RALF	DE
SYLDATK, CHRISTOPH DR	DE
CAO, LINQIU	NL
BORNSCHEUER, UWE DR	DE
SCHMID, ROLF D DR	DE

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KOM		Image
									-	· · · · · · · · · · · · · · · · · · ·		

Generate Collection

Print

Terms	Documents
cao-linqiu\$.in. or elzinga-jeoffrey\$.in.	3

Display Format: -**Change Format**

> **Previous Page** Next Page

WEST Search History

DATE: Friday, June 20, 2003

Set Name		Hit Count S	Set Name result set
DB=U	SPT,PGPB,JPAB,EPAB,DWPI; PLUR=YES; OP=ADJ		
L1	enzyme or lipase or esterase or protease or nitrilase or oxynitrilase or penicillin amidase or penicillin acylase or amino acylase	249632	L1
L2	diaminoalkane or ehtylene diamine or diamine or amine or triamine or aminoethylether or spermidin or diamino	481108	L2
L3	dialdehyde or glutaraldehyde or glyoxal or pentadione or hexadione	36940	L3
L4	L1 with (aggregate or aggregation or agglomeration or agglomerate)	2012	L4
L5	L4 same (precipitate or precipitation or precipitating or precipitated)	106	L5
L6	L5 same (crosslinking agent or crosslinked or crosslinking or cross linking or cross linked)	11	L6
L7	(crosslinking agent or crosslinked or crosslinking or cross linking or cross linked) same 13	9400	L7
L8	L7 same 12	814	L8
L9	L8 and l6	0	L9
L10	18 same 14	0	L10
L11	L8 same 11	93	L11

END OF SEARCH HISTORY

WEST

Generate Collection

Print

Search Results - Record(s) 1 through 11 of 11 returned.

☐ 1. Document ID: US 20010006804 A1

L6: Entry 1 of 11

File: PGPB

Jul 5, 2001

PGPUB-DOCUMENT-NUMBER: 20010006804 PGPUB-FILING-TYPE: new-utility

DOCUMENT-IDENTIFIER: US 20010006804 A1

TITLE: Method for preparing bioreactor

PUBLICATION-DATE: July 5, 2001

INVENTOR-INFORMATION:

NAME

CITY

STATE

COUNTRY

RULE-47

Asai, Katsushi

Toyonaka-shi

,TP

US-CL-CURRENT: 435/177; 435/289.1

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw Desc Image

☐ 2. Document ID: US 5868868 A

L6: Entry 2 of 11

File: USPT

Feb 9, 1999

US-PAT-NO: 5868868

DOCUMENT-IDENTIFIER: US 5868868 A

TITLE: Peg-modified proteases and methods of use in contact lens cleaning

DATE-ISSUED: February 9, 1999

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Park; Joonsup Arlington TX
Quintana; Ronald P. Arlington TX
Hong; Bor-shyue Arlington TX
Asgharian; Bahram Arlington TX

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims MMC Draw Desc Image

☑ 3. Document ID: US RE34394 E

L6: Entry 3 of 11

File: USPT

Sep 28, 1993

US-PAT-NO: RE34394

DOCUMENT-IDENTIFIER: US RE34394 E

TITLE: Method and composition for double receptor, specific binding assays

DATE-ISSUED: September 28, 1993

INVENTOR-INFORMATION:

NAME

CITY

STATE ZIP CODE COUNTRY

Bunting; James R.

Washington

DC

US-CL-CURRENT: 436/500; 435/5, 435/7.1, 435/7.92, 435/7.94, 436/501, 436/503 436/505, 436/518, 436/531, 436/544, 436/545, 436/546, 436/800, 436/810, 436/815, 436/820, 436/822, 436/823, 436/824

Full Title Citation Front Review Classification Date Reference Sequences Attachments

KWMC Draw Desc Image

☐ 4. Document ID: US 5208166 A

L6: Entry 4 of 11

File: USPT

May 4, 1993

US-PAT-NO: 5208166

DOCUMENT-IDENTIFIER: US 5208166 A

TITLE: Reactive chitosan coated articles and test kit for immunoassay

DATE-ISSUED: May 4, 1993

INVENTOR-INFORMATION:

NAME

CITY

STATE

ZIP CODE

COUNTRY

Saunders; Mary S.

Monticello

FLFL

32344

Pegg; Randall K.

Amelia Island

32034

US-CL-CURRENT: <u>436/518</u>; <u>422/57</u>, <u>422/61</u>, 427/2.13, 427/337, 427/338, 427/414, 435/7.8, 436/528, 436/529, 436/808, 436/809, 514/55, 536/20

Full Title Citation Front Review Classification Date Reference Sequences Attachments

KMC Drawl Desc Image

5. Document ID: US 4929556 A

L6: Entry 5 of 11

File: USPT

May 29, 1990

US-PAT-NO: 4929556

DOCUMENT-IDENTIFIER: US 4929556 A

TITLE: Enzyme immobilization with polysulfonium salts

DATE-ISSUED: May 29, 1990

INVENTOR-INFORMATION:

NAME CITY

STATE ZIP CODE

COUNTRY

Cheng; Roberta C. Wessling; Ritchie A. Schmidt; Donald L.

Midland MI Midland

ΜI

Midland MI

US-CL-CURRENT: 435/180; 435/177, 435/181, 435/182, 435/234, 435/94

Full Title Citation Front Review Classification Date Reference Sequences Attachments MMC Draw Desc Image

☐ 6. Document ID: US 4459312 A

L6: Entry 6 of 11

File: USPT

Jul 10, 1984

US-PAT-NO: 4459312

DOCUMENT-IDENTIFIER: US 4459312 A

** See image for Certificate of Correction **

TITLE: Enzymes bonded to living yeast cells

DATE-ISSUED: July 10, 1984

INVENTOR-INFORMATION:

NAME

CITY

STATE ZIP CODE

COUNTRY

т

Hartmeier; Winfried Ingelheim

DΕ

US-CL-CURRENT: 426/13; 426/15, 426/16, 426/62, 435/174, 435/175, 435/181, 435/255-2

Full Title Citation Front Review Classification Date Reference Sequences Attachments

KMC Draw Desc Image

☐ 7. Document ID: US 4271140 A

L6: Entry 7 of 11

File: USPT

Jun 2, 1981

US-PAT-NO: 4271140

DOCUMENT-IDENTIFIER: US 4271140 A

TITLE: Method and composition for double receptor, specific binding assays

DATE-ISSUED: June 2, 1981

INVENTOR-INFORMATION:

NAME

CITY

STATE

ZIP CODE

COUNTRY

Bunting; James R.

Washington

DC

US-CL-CURRENT: 436/500; 436/503, 436/505, 436/531, 436/820

Full Title Citation Front Review Classification Date Reference Sequences Attachments

IOMC Draw Desc Image

8. Document ID: WO 2061067 A1

L6: Entry 8 of 11

File: EPAB

Aug 8, 2002

PUB-NO: WO002061067A1

DOCUMENT-IDENTIFIER: WO 2061067 A1

TITLE: A METHOD OF PREPARING CROSS-LINKED ENZYME AGGREGATES

PUBN-DATE: August 8, 2002

INVENTOR-INFORMATION:

NAME COUNTRY

LOPEZ, SERRANO PALOMA

CAO, LINQIU

VAN, RANTWIJK FREDERIK

SHELDON, ROGER ARTHUR

NL

INT-CL (IPC): C12 N 9/96; C12 N 9/20

EUR-CL (EPC): C12N009/96; C12N009/20, C12N011/02 , C12P007/00

Full Title Citation Front Review Classification Date Reference Sequences Attachments KMC Draw Desc Image

9. Document ID: EP 1088887 A1

L6: Entry 9 of 11

File: EPAB

Apr 4, 2001

PUB-NO: EP001088887A1

DOCUMENT-IDENTIFIER: EP 1088887 A1 TITLE: Crosslinked enzyme aggregates

PUBN-DATE: April 4, 2001

INVENTOR-INFORMATION:

NAME

CAO, LINQIU NL
LANGEN, LUKAS MICHAEL NL
JANSSEN, MICHIEL HUBERTUS ARNOL NL
SHELDON, ROGER ARTHUR NL

INT-CL (IPC): $\underline{\text{C12}} \ \underline{\text{N}} \ \underline{9}/\underline{96}; \ \underline{\text{C12}} \ \underline{\text{N}} \ \underline{9}/\underline{84}$ EUR-CL (EPC): $\underline{\text{C12N009}}/\underline{84}; \ \underline{\text{C12N009}}/\underline{96}$

Full Title Citation Front Review Classification Date Reference Sequences Attachments 1000 Draw Desc Image

10. Document ID: WO 200261067 A1 NL 1017258 C2

L6: Entry 10 of 11

File: DWPI

Aug 8, 2002

DERWENT-ACC-NO: 2002-691548

DERWENT-WEEK: 200274

COPYRIGHT 2003 DERWENT INFORMATION LTD

TITLE: Preparation of <u>cross-linked enzyme aggregates</u> involves performing <u>precipitating</u> step in the presence of crown ether or surfactant, and/or performing washing step with a second liquid differing in organic composition

Full Title Citation Front Review Classification Date Reference Sequences Attachments KMC Draw Desc Image

L6: Entry 11 of 11

File: DWPI

Apr 4, 2001

DERWENT-ACC-NO: 2001-302010

DERWENT-WEEK: 200132

COPYRIGHT 2003 DERWENT INFORMATION LTD

 $\begin{array}{lll} \hbox{\tt TITLE: $\underline{\tt Crosslinked enzyme aggregate}$ for increasing the stability of the $\underline{\tt enzyme}$ at sixty degrees centigrade comprises the addition of a $\underline{\tt precipitating}$ agent } \\ \end{array}$

	Generate Collection	Print	
	Terms		Documents
L5 same (crosslinkin linking or cross linke	g agent or crosslinked or crossli ed)	nking or cross	11

WEST Search History

DATE: Friday, June 20, 2003

Set Name side by side		Hit Count	Set Name result set
DB=U	SPT,PGPB,JPAB,EPAB,DWPI; PLUR=YES; OP=ADJ		
L1	enzyme or lipase or esterase or protease or nitrilase or oxynitrilase or penicillin amidase or penicillin acylase or amino acylase	249632	L1
L2	diaminoalkane or ehtylene diamine or diamine or amine or triamine or aminoethylether or spermidin or diamino	481108	L2
. L3	dialdehyde or glutaraldehyde or glyoxal or pentadione or hexadione	36940	L3
L4	L1 with (aggregate or aggregation or agglomeration or agglomerate)	2012	L4
L5	L4 same (precipitate or precipitation or precipitating or precipitated)	106	L5
L6	L5 same (crosslinking agent or crosslinked or crosslinking or cross linking or cross linked)	11.	—L6- —
L7	(crosslinking agent or crosslinked or crosslinking or cross linking or cross linked) same 13	9400	L7
L8	L7 same 12	814	L8
L9	L8 and 16	0	L9
L10	18 same 14	0	L10
L11	L8 same 11	93	L11
L12	L6 and 12	4	L12
L13	L12 and 13	2	L13

END OF SEARCH HISTORY

Generate Collection

Print

Search Results - Record(s) 1 through 2 of 2 returned.

☐ 1. Document ID: US 5208166 A

L13: Entry 1 of 2

File: USPT

May 4, 1993

US-PAT-NO: 5208166

DOCUMENT-IDENTIFIER: US 5208166 A

TITLE: Reactive chitosan coated articles and test kit for immunoassay

DATE-ISSUED: May 4, 1993

INVENTOR-INFORMATION:

NAME CITY

STATE ZIP CODE COUNTRY

Saunders; Mary S.

Monticello

FL32344

Pegg; Randall K.

Amelia Island

FL

32034

US-CL-CURRENT: 436/518; 422/57, 422/61, 427/2.13, 427/337, 427/338, 427/414, 435/7.8, 436/528, 436/529, 436/808, 436/809 , 514/55, 536/20

Full Title Citation Front Review Classification Date Reference Sequences Attachments

KMMC - Drawu Desc - Image

2. Document ID: US 4929556 A

L13: Entry 2 of 2

File: USPT

May 29, 1990

US-PAT-NO: 4929556

DOCUMENT-IDENTIFIER: US 4929556 A

TITLE: Enzyme immobilization with polysulfonium salts

DATE-ISSUED: May 29, 1990

INVENTOR - INFORMATION:

NAME

CITY

STATE

Cheng; Roberta C.

Midland

ZIP CODE MΙ

COUNTRY

Wessling; Ritchie A.

Midland

ΜI

Schmidt; Donald L.

Midland

MI

US-CL-CURRENT: <u>435/180</u>; <u>435/177</u>, <u>435/181</u>, <u>435/182</u>, <u>435/234</u>, <u>435/94</u>

Full Title Citation Front Review Classification Date Reference Sequences Attachments

RMC Draw Desc Image

Generate Collection

Print

Terms	Documents
L12 and 13	2

Display Format: - Change Format

Previous Page Next Page

WEST

Generate Collection

Print

Search Results - Record(s) 1 through 4 of 4 returned.

☐ 1. Document ID: US 5868868 A

L12: Entry 1 of 4

File: USPT

Feb 9, 1999

US-PAT-NO: 5868868

DOCUMENT-IDENTIFIER: US 5868868 A

TITLE: Peg-modified proteases and methods of use in contact lens cleaning

DATE-ISSUED: February 9, 1999

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Park; Joonsup Arlington TX
Quintana; Ronald P. Arlington TX
Hong; Bor-shyue Arlington TX
Asgharian; Bahram Arlington TX

US-CL-CURRENT: $\frac{134}{42}$; $\frac{435}{188}$, $\frac{435}{219}$, $\frac{435}{220}$, $\frac{435}{221}$, $\frac{435}{222}$, $\frac{435}{222}$, $\frac{435}{223}$, $\frac{435}{224}$, $\frac{435}{228}$, $\frac{510}{113}$, $\frac{510}{114}$, $\frac{510}{392}$, $\frac{510}{530}$

Full Title Citation Front Review Classification Date Reference Sequences Attachments

KMC Draw Desc Image

☐ 2. Document ID: US 5208166 A

L12: Entry 2 of 4

File: USPT

May 4, 1993

US-PAT-NO: 5208166

DOCUMENT-IDENTIFIER: US 5208166 A

TITLE: Reactive chitosan coated articles and test kit for immunoassay

DATE-ISSUED: May 4, 1993

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Saunders; Mary S. Monticello FL 32344 Pegg; Randall K. Amelia Island FL 32034

US-CL-CURRENT: <u>436/518</u>; <u>422/57</u>, <u>422/61</u>, <u>427/2.13</u>, <u>427/337</u>, <u>427/338</u>, <u>427/414</u>, <u>435/7.8</u>, <u>436/528</u>, <u>436/529</u>, <u>436/808</u>, <u>436/809</u> , <u>514/55</u>, <u>536/20</u>

Full Title Citation Front Review Classification Date Reference Sequences Attachments

MMC Draw Desc Image

3. Document ID: US 4929556 A

L12: Entry 3 of 4

File: USPT

May 29, 1990

US-PAT-NO: 4929556

DOCUMENT-IDENTIFIER: US 4929556 A

TITLE: Enzyme immobilization with polysulfonium salts

DATE-ISSUED: May 29, 1990

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Cheng; Roberta C. Midland MI Wessling; Ritchie A. Midland ΜI Schmidt; Donald L. Midland MI

US-CL-CURRENT: 435/180; 435/177, 435/181, 435/182, 435/234, 435/94

Full Title Citation Front Review Classification Date Reference Sequences Attachments

KWIC Draw Desc Image

☐ 4. Document ID: US 4459312 A

L12: Entry 4 of 4

File: USPT

Jul 10, 1984

US-PAT-NO: 4459312

DOCUMENT-IDENTIFIER: US 4459312 A

** See image for Certificate of Correction **

TITLE: Enzymes bonded to living yeast cells

DATE-ISSUED: July 10, 1984

INVENTOR-INFORMATION:

NAME

CITY

STATE ZIP CODE

Print

COUNTRY DE

Hartmeier; Winfried Ingelheim

US-CL-CURRENT: $\underline{426}/\underline{13}$; $\underline{426}/\underline{12}$, $\underline{426}/\underline{15}$, $\underline{426}/\underline{16}$, $\underline{426}/\underline{62}$, $\underline{435}/\underline{174}$, $\underline{435}/\underline{175}$, $\underline{435}/\underline{181}$,

435/255.2

Full Title Citation Front Review Classification Date Reference Sequences Attachments KMC Draw Desc Image

Generate Collection

Terms	Documents
L6 and 12	4

Change Format Display Format: | -

Previous Page

Next Page